Rafael Garcia-Mata

List of Publications by Year
in descending order

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54	5,370	126708	161609
papers	citations	33 h-index	54 g-index

56	56	56	9285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization and Dynamics of Aggresome Formation by a Cytosolic Gfp-Chimeraâœª. Journal of Cell Biology, 1999, 146, 1239-1254.	2.3	557
2	Isolated nuclei adapt to force and reveal a mechanotransduction pathway in the nucleus. Nature Cell Biology, 2014, 16, 376-381.	4.6	495
3	The 'invisible hand': regulation of RHO GTPases by RHOGDIs. Nature Reviews Molecular Cell Biology, 2011, 12, 493-504.	16.1	470
4	Hassles with Taking Out the Garbage: Aggravating Aggresomes. Traffic, 2002, 3, 388-396.	1.3	343
5	The Rho GEFs LARG and GEF-H1 regulate the mechanical response to force on integrins. Nature Cell Biology, 2011, 13, 722-727.	4.6	324
6	Regulation of Rho GTPase crosstalk, degradation and activity by RhoGDI1. Nature Cell Biology, 2010, 12, 477-483.	4.6	309
7	Rho protein crosstalk: another social network?. Trends in Cell Biology, 2011, 21, 718-726.	3.6	303
8	RhoG regulates endothelial apical cup assembly downstream from ICAM1 engagement and is involved in leukocyte trans-endothelial migration. Journal of Cell Biology, 2007, 178, 1279-1293.	2.3	192
9	Analysis of Activated GAPs and GEFs in Cell Lysates. Methods in Enzymology, 2006, 406, 425-437.	0.4	179
10	Catching a GEF by its tail. Trends in Cell Biology, 2007, 17, 36-43.	3.6	149
11	The p115-interactive Proteins GM130 and Giantin Participate in Endoplasmic Reticulum-Golgi Traffic. Journal of Biological Chemistry, 2001, 276, 2693-2700.	1.6	142
12	A novel role for Lsc/p115 RhoGEF and LARG in regulating RhoA activity downstream of adhesion to fibronectin. Journal of Cell Science, 2007, 120, 3989-3998.	1.2	132
13	The Membrane Transport Factor TAP/p115 Cycles between the Golgi and Earlier Secretory Compartments and Contains Distinct Domains Required for Its Localization and Function. Journal of Cell Biology, 1998, 143, 319-331.	2.3	124
14	ADP-Ribosylation Factor/COPI-dependent Events at the Endoplasmic Reticulum-Golgi Interface Are Regulated by the Guanine Nucleotide Exchange Factor GBF1. Molecular Biology of the Cell, 2003, 14, 2250-2261.	0.9	123
15	COPI Recruitment Is Modulated by a Rab1b-dependent Mechanism. Molecular Biology of the Cell, 2003, 14, 2116-2127.	0.9	116
16	Palladin promotes invasion of pancreatic cancer cells by enhancing invadopodia formation in cancer-associated fibroblasts. Oncogene, 2014, 33, 1265-1273.	2.6	104
17	Palladin binds to Eps8 and enhances the formation of dorsal ruffles and podosomes in vascular smooth muscle cells. Journal of Cell Science, 2006, 119, 3316-3324.	1.2	90
18	The Small GTPase RhoA Localizes to the Nucleus and Is Activated by Net1 and DNA Damage Signals. PLoS ONE, 2011, 6, e17380.	1.1	89

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19	Binding Relationships of Membrane Tethering Components. Journal of Biological Chemistry, 2000, 275, 10196-10201.	1.6	87
20	Dissection of Membrane Dynamics of the ARF-Guanine Nucleotide Exchange Factor GBF1. Traffic, 2005, 6, 374-385.	1.3	74
21	Iâ€™m coming to GEF you: Regulation of RhoGEFs during cell migration. Cell Adhesion and Migration, 2014, 8, 535-549.	1.1	73
22	The membraneâ€tethering protein p115 interacts with GBF1, an ARF guanineâ€nucleotideâ€exchange factor. EMBO Reports, 2003, 4, 320-325.	2.0	72
23	Chapter 1 Focal Adhesions: New Angles on an Old Structure. International Review of Cell and Molecular Biology, 2009, 277, 1-65.	1.6	71
24	Inhibition of Proteasomes Induces Accumulation, Phosphorylation, and Recruitment of HSP27 and ÂÂ-Crystallin to Aggresomes. Journal of Biochemistry, 2002, 131, 593-603.	0.9	64
25	Analysis of RhoA and Rho GEF activity in whole cells and the cell nucleus. Nature Protocols, 2011, 6, 2050-2060.	5.5	63
26	Golgi Membrane Dynamics and Lipid Metabolism. Current Biology, 2012, 22, R414-R424.	1.8	63
27	The UDP-sugar-sensing P2Y₁₄receptor promotes Rho-mediated signaling and chemotaxis in human neutrophils. American Journal of Physiology - Cell Physiology, 2012, 303, C490-C498.	2.1	53
28	RhoGDI. Small GTPases, 2010, 1, 65-68.	0.7	44
29	The Nuclear RhoA Exchange Factor Net1 Interacts with Proteins of the Dlg Family, Affects Their Localization, and Influences Their Tumor Suppressor Activity. Molecular and Cellular Biology, 2007, 27, 8683-8697.	1.1	43
30	Simvastatin inhibits secretion of <scp>T</scp>h17â€polarizing cytokines and antigen presentation by <scp>DC</scp>s in patients with relapsing remitting multiple sclerosis. European Journal of Immunology, 2013, 43, 281-289.	1.6	41
31	Plexin-B2 Negatively Regulates Macrophage Motility, Rac, and Cdc42 Activation. PLoS ONE, 2011, 6, e24795.	1.1	38
32	Off the beaten paths: alternative and crosstalk regulation of Rho GTPases. FASEB Journal, 2012, 26, 469-479.	0.2	36
33	A RhoG-mediated signaling pathway that modulates invadopodia dynamics in breast cancer cells. Journal of Cell Science, 2017, 130, 1064-1077.	1.2	36
34	The Invasive Capacity of HPV Transformed Cells Requires the hDlg-Dependent Enhancement of SGEF/RhoG Activity. PLoS Pathogens, 2012, 8, e1002543.	2.1	33
35	Regulation of circular dorsal ruffles, macropinocytosis, and cell migration by RhoG and its exchange factor, Trio. Molecular Biology of the Cell, 2017, 28, 1768-1781.	0.9	30
36	SGEF forms a complex with Scribble and Dlg1 and regulates epithelial junctions and contractility. Journal of Cell Biology, 2019, 218, 2699-2725.	2.3	21

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37	FARP1, ARHGEF39, and TIAM2 are essential receptor tyrosine kinase effectors for Rac1-dependent cell motility in human lung adenocarcinoma. Cell Reports, 2021, 37, 109905.	2.9	20
38	Fixing the GAP: The role of RhoGAPs in cancer. European Journal of Cell Biology, 2022, 101, 151209.	1.6	20
39	mDia2 and CXCL12/CXCR4 chemokine signaling intersect to drive tumor cell amoeboid morphological transitions. Biochemical and Biophysical Research Communications, 2017, 484, 255-261.	1.0	19
40	RNase L Suppresses Androgen Receptor Signaling, Cell Migration and Matrix Metalloproteinase Activity in Prostate Cancer Cells. International Journal of Molecular Sciences, 2017, 18, 529.	1.8	19
41	Syndecan-4/PAR-3 signaling regulates focal adhesion dynamics in mesenchymal cells. Cell Communication and Signaling, 2020, 18, 129.	2.7	16
42	P-REX1-Independent, Calcium-Dependent RAC1 Hyperactivation in Prostate Cancer. Cancers, 2020, 12, 480.	1.7	13
43	Membrane targeting of p115 phosphorylation mutants and their effects on Golgi integrity and secretory traffic. European Journal of Cell Biology, 2003, 82, 411-420.	1.6	11
44	Evaluation of active Rac1 levels in cancer cells: A case of misleading conclusions from immunofluorescence analysis. Journal of Biological Chemistry, 2020, 295, 13698-13710.	1.6	11
45	The small GTPase RhoG regulates microtubule-mediated focal adhesion disassembly. Scientific Reports, 2019, 9, 5163.	1.6	10
46	Affinity Precipitation of Active Rho-GEFs Using a GST-tagged Mutant Rho Protein (GST-RhoA(G17A)) from Epithelial Cell Lysates. Journal of Visualized Experiments, 2012, , .	0.2	9
47	The membrane transport factor p115 recycles only between homologous compartments in intact heterokaryons. European Journal of Cell Biology, 2000, 79, 229-239.	1.6	7
48	Arrested Detachment: A DEPDC1B-Mediated De-adhesion Mitotic Checkpoint. Developmental Cell, 2014, 31, 387-389.	3.1	7
49	ARHGEF26 enhances Salmonella invasion and inflammation in cells and mice. PLoS Pathogens, 2021, 17, e1009713.	2.1	7
50	The RhoA dependent anti-metastatic function of RKIP in breast cancer. Scientific Reports, 2021, 11, 17455.	1.6	6
51	Analysis of the Role of RhoGDI1 and Isoprenylation in the Degradation of RhoGTPases. Methods in Molecular Biology, 2012, 827, 97-105.	0.4	4
52	Quantification of ruffle area and dynamics in live or fixed lung adenocarcinoma cells. STAR Protocols, 2022, 3, 101437.	0.5	3
53	Roles of the small GTPases RhoA and Rac1 in cell behavior. F1000 Biology Reports, 2009, 1, 4.	4.0	2
54	Nonredundant Rac-GEF control of actin cytoskeleton reorganization. Trends in Cell Biology, 2022, , .	3.6	2